

ABSTRAKT

English title: Corrected sitting position influence on fine movements of people with infantile cerebral palsy, with Down syndrome and common people

Dissertation objectives: Purpose of this dissertation is to find out what is the influence of correct setting of bodies segment upon fine movements of people with combined abnormalities and of primary school first grade pupils and further in what range are the variances in fine movements changing after correction of sitting position. Another object of this dissertation is to compare size of variances of three selected groups and evaluate special educational furniture for correcting of sitting position.

Problem definition: People with combined abnormalities and primary school first grade pupils have frequent problems with sensomotoric and graphomotoric ability. In my dissertation I focused on suitability of corrected sitting position as part of complex care for improving ht graphomotoric and sensomotoric ability of selected groups of people.

Resolution method: This dissertation was based on work with three groups, each with 10 people (people with Down syndrome, people with infantile cerebral palsy, primary school first grade pupils). For comparison of fine movements I used graphomotoric tests and a computer program Tracking task. Parameters for the test was gathered in two alternations – in sitting position without corrections and in corrected sitting position on specially created educational chair used in DÚSP Černovice.

Key words: fine movements, graphomotoric and sensomotoric abilities, corrected sitting position, Down syndrome, infantile cerevral palsy, educational furniture